

**Notice of Allowability**

Application No.

10/566,488

Examiner

Hien X. Vo

Applicant(s)

FENDT ET AL.

Art Unit

2863

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 04/02/07.
2. ☒ The allowed claim(s) is/are 20-38.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### *Allowable Subject Matter*

1. Claims 20-38 allowed.
2. The following is an examiner's statement of reasons for allowance:

For claims 20 and 32 the prior art disclose some claimed limitations. For example:

Crispin et al. (U.S. Patent No. 5,440,913) disclose an electronic device, in particular a system for safeguarding vehicle occupants, comprises at least two acceleration-sensitive sensors arrangements.

Jeenicke et al. (U.S. Patent No. 5,620,203) disclose an apparatus and method for tripping a safety system for the protection of an occupant of a vehicle measures the acceleration of the vehicle with a first sensor and second sensor.

However, the prior art does not teach singularly or in combination a device (10) for measuring accelerations for a vehicle passenger protection system, the device being adapted to a prespecified main direction of measurement (20) and comprising: at least one first acceleration sensor (12) with a first sensitivity direction (14), which forms a first main projection (22) onto the main direction of measurement (20), and a first transverse projection (32) onto a transverse direction (30) which is aligned vertically to the main direction of measurement (20), and a first evaluation channel for processing a first measuring signal from the first acceleration sensor in relation to a first reference value (R1); a second acceleration sensor (16) with a second sensitivity direction (18), which

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forms a second main projection (24) onto the main direction of measurement (20), and a second transverse projection (34) onto the transverse direction (30), and a second evaluation channel for processing a second measuring signal from the second acceleration sensor in relation to a second reference value (R2); and evaluation devices for evaluating at least the first processed measuring signal (F1) and the second processed measuring signal (F2), and, at least partially, a trigger signal for the passenger protection system, which is generated based on the first measuring signal and the second measuring signal; wherein the first and second transverse projections (32, 24) in the first and second sensitivity directions (14, 18) are aligned parallel to each other, and the first and second main projection (22, 24) in the first and second sensitivity directions (14, 18) are aligned antiparallel to each other; and the evaluation is conducted in such a manner that at least a partial error compensation results when the first or second reference value (R1 or R2) in the first or second evaluation channel changes, wherein the trigger signal is used to activate the passenger protection system when it is determined that the vehicle has been in a crash.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hien X. Vo whose telephone number is (571) 272-2282. The examiner can normally be reached on M-F (8:00-5:30) First Friday Off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (571) 272-2269. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hien Vo  
04/15/07

  
John Barlow  
Supervisory Patent Examiner  
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